

### AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

#### Listing of Claims

1. (Currently Amended) A method for forming a document set, said document set formed from rectangular sheets of the same size and including only one single envelope sheet and at least one insert sheet, the method including the steps of:

printing said single envelope sheet with envelope information, said envelope information including a unique code identifier to identify said single envelope sheet;

printing each of said at least one insert sheets with insert information, said insert information including a further unique code identifier to identify each of said at least one insert sheets, wherein the unique code identifier of said single envelope sheet is unique from the further unique code identifier of each of said at least one insert sheets; ~~and;~~

collating said single envelope sheet and at least one insert sheet by reading the unique code identifier of said single envelope sheet and the further unique code identifier of each of said at least one insert sheets to form said document set; and

verifying said document set by performing a self-referencing integrity check on the read unique code identifier of said single envelope sheet and the read further unique code identifier of each of said at least one insert sheets.

2. (Cancelled)

3. (Currently Amended) The method for forming a document set as claimed in claim ~~[[2]]~~3, further including the step of out sorting any document set that fails said integrity check.

4. (Previously Presented) The method for forming a document set as claimed in claim 3, further including the step of rescheduling the printing of said document set that failed said integrity check.

5. (Previously Presented) The method for forming a document set as claimed in claim 4, wherein said step of rescheduling is performed online.

6. (Previously Amended) The method for forming a document set as claimed in claim 1, wherein said unique code identifier identifies whether a printed sheet is said single envelope sheet.

7. (Currently Amended) The method for forming a document set as claimed in claim 1, wherein said unique code identifier printed on said single envelope sheet includes the number of at least one insert sheets associated with said single envelope sheet to form said document set.

8. (Previously Presented) The method for forming a document set as claimed in claim 1, wherein said unique code identifier and said further unique code identifier includes separate fields of information related to customer information, content information and distribution information associated with said document set.

9. (Previously Presented) The method for forming a document set as claimed in claim 1, wherein said unique code identifier and said further unique code identifier are barcodes.

10. (Previously Presented) The method for forming a document set as claimed in claim 1, wherein the steps of printing the single envelope sheet, printing the at least one insert sheet and collating the single envelope sheet and at least one insert sheet are accomplished using a common printer.

11. (Previously Presented) The method for forming a document set as claimed in claim 1, wherein said envelope information is printed on one side of said single envelope sheet.

12. (Currently Amended) A method for forming a document set, said document set formed from rectangular sheets of the same size and including only one single envelope sheet and at least one insert sheet, the method including the steps of:

applying an adhesive layer to at least one side of said single envelope sheet in a predetermined pattern, said pattern arranged to provide adhesive means for an envelope formed from said single envelope sheet when said envelope from said single envelope sheet is re-used;

printing said single envelope sheet with envelope information, said envelope information including a unique code identifier to identify said single envelope sheet;

printing each of said at least one insert sheets with insert information, said insert information including a further unique code identifier to identify each of said at least one insert sheets, wherein the unique code identifier of said single envelope sheet is unique from the further unique code identifier of each of said at least one insert sheets, ~~and~~;

collating said said envelope sheet and at least one insert sheet by reading the unique code identifier of said single envelope sheet and the further unique code identifier of each of said at least one insert sheets to form said document set; and

verifying said document set by performing a self-referencing integrity check on the read unique code identifier of said single envelope sheet and the read further unique code identifier of each of said at least one insert sheets.

13. (Previously Presented) A method for producing a bulk mail out item from the document set made in accordance with claim 1, said method including the steps:

separating and folding at least one insert sheet from said document set to form a folded insert sheet set; and

wrapping and sealing the single envelope sheet about the at least one insert sheet to form an envelope.

14. (Original) A bulk mail out item resulting from the method as claimed in claim 13.

15. (Currently Amended) An apparatus for forming a document set, said document set formed from rectangular sheets of the same size and including only one single envelope sheet and at least one insert sheet, said apparatus including:

a printer for printing said single envelope sheet with envelope information, said envelope information including a unique code identifier to identify said single envelope sheet and furthermore for printing each of said at least one insert sheets with insert information, said insert information including a further unique code identifier to identify each of said at least one insert sheets, wherein the unique code identifier of said single envelope sheet is unique from the further unique code identifier of each of said at least one insert sheets;

a scanner for scanning the unique code identifier of said single envelope sheet and the further unique code identifier of each of said at least one insert sheets; and

a collator for collating said envelope sheet and at least one insert sheet in accordance with the scanned unique code identifier of said single envelope sheet and the scanned further unique code identifier of each of said at least one insert sheets to form said document set; and

a data processor to process said scanned unique code identifier and said scanned further unique code identifier of each of said at least one insert sheets and perform a self-referencing integrity check, thereby verifying the document set.

16. (Cancelled)

17. (Currently Amended) The apparatus for forming a document set as claimed in claim [[16]]15, further including an out sorter for out sorting any document set that fails said integrity check.

18. (Previously Presented) The apparatus for forming a document set as claimed in claim 17, further including a data processor for rescheduling the printing of said document set that failed said integrity check.

19. (Previously Presented) The apparatus for forming a document set as claimed in claim 18, wherein said rescheduling is performed online and said document set is printed on said printer.

20. (Previously Presented) A method for producing a bulk mail out item from the document set made in accordance with claim 12, said method including the steps:  
separating and folding at least one insert sheet from said document set to form a folded insert sheet set; and  
wrapping and sealing the single envelope sheet about the at least one insert sheet to form an envelope.

21. (Previously Presented) A bulk mail out item resulting from the method as claimed in claim 13.